

11498

AWC-019



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

Order #  
6F9540V00231  
Job Sheet 192034



*See this will need a concession by AC*

Part No: 6F9540V00231

Job Qty: 1 pcs

Part Name: AW169 Lower Cutter Installation Assembly

**POSITIVE RECALL**EFFECTIVE *POS* AUTH *SAD*RELEASED *AKS* DATE *31 MAY 2019*

55 Priority: Medium

9-89

Part Weight: 0 lbs

Status: New

Job Created: 3/14/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 5/1/19

Description:

Type: SOLD

Note: URF16-692 DWG IIN-D169-841 REV D IPP REV:A 13.11.13 NEW ISSUE DD VERF:JLM

Ship Via:

## Bill of Materials

## Job Routing

| Op No | Operation              | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|------------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                        |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 100   | Packaging 1 - Pick Kit | 1 pcs |            | 5/1/19   | 0.00      | 0.00    | Packaging 1 - 1       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 2       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 3       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 4       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 5       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 6       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 7       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 8       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 9       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 10      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 11      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 12      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 13      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 14      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 15      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 16      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 17      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 18      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 19      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 20      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 21      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 22      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 23      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 24      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 25      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 26      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 27      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 28      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 29      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 30      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 31      |           |          |

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Container No: S171709

Part: 6F9540V00231

Job No: 192034

Serial No/Batch: S171709

Revision: D

Inspector:

Exp Date:

Instructions:

Date: 04/11/18

Plex 3/14/19 1:05 PM Dart.Lajeunesse.marie

5/14/2019

[Dart Hawkesbury] Job Sheet - Lejeunesse, Marie

|                                                                                                 |       |        |           |                        |                     |
|-------------------------------------------------------------------------------------------------|-------|--------|-----------|------------------------|---------------------|
| 105 QC 4                                                                                        | 1 pcs | 5/1/19 | 0.00 0.00 | Packaging 1 - 32       |                     |
|                                                                                                 |       |        |           | Packaging 1 - 33       |                     |
|                                                                                                 |       |        |           | Packaging 1 - 34       |                     |
|                                                                                                 |       |        |           | Packaging 1 - 35       |                     |
|                                                                                                 |       |        |           | Packaging 1 - 36       |                     |
|                                                                                                 |       |        |           | QC 4 - 28              |                     |
|                                                                                                 |       |        |           | QC 4 - 42              |                     |
|                                                                                                 |       |        |           | QC 4 - 58              |                     |
|                                                                                                 |       |        |           | QC 4 - 69              | DAS 69 9-89         |
|                                                                                                 |       |        |           | QC 4 - 9               |                     |
|                                                                                                 |       |        |           | QC 4 - 46              | DAS 69 9-89         |
|                                                                                                 |       |        |           | Packaging 3 - 1 - B4B  |                     |
| 120 Packaging 3-1 - Stock - B4B                                                                 | 1 pcs | 5/1/19 | 0.00 0.00 | Packaging 3 - 2 - B4B  |                     |
|                                                                                                 |       |        |           | Packaging 3 - 3 - B4B  |                     |
|                                                                                                 |       |        |           | Packaging 3 - 4 - B4B  |                     |
|                                                                                                 |       |        |           | Packaging 3 - 5 - B4B  |                     |
|                                                                                                 |       |        |           | Packaging 3 - 6 - B4B  |                     |
|                                                                                                 |       |        |           | Packaging 3 - 7 - B4B  |                     |
|                                                                                                 |       |        |           | Packaging 3 - 8 - B4B  |                     |
|                                                                                                 |       |        |           | Packaging 3 - 9 - B4B  |                     |
|                                                                                                 |       |        |           | Packaging 3 - 10 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 11 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 12 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 13 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 14 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 15 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 16 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 17 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 18 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 19 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 20 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 21 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 22 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 23 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 24 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 25 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 26 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 27 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 28 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 29 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 30 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 31 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 32 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 33 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 34 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 35 - B4B |                     |
|                                                                                                 |       |        |           | Packaging 3 - 36 - B4B |                     |
| 125 DC - 1 - B4B                                                                                | 1 pcs | 5/1/19 | 0.00 0.00 | DC - 1 - B4B           | DAS 21 MAY 3 1 2019 |
| 130 QC 21 - FG                                                                                  | 1 pcs | 5/1/19 | 0.00 0.00 | DC - 2 - B4B           |                     |
|                                                                                                 |       |        |           | QC 21 - FG - 21        | DAS 21 MAY 3 1 2019 |
|                                                                                                 |       |        |           | QC 21 - FG - 70        |                     |
|                                                                                                 |       |        |           | QC 21 - FG - 53        |                     |
| Part Op 100 - (Pick Kit)                                                                        |       |        |           |                        |                     |
| Descriptions: 105 - (QC4- 100% inspect kits for completeness)                                   |       |        |           |                        |                     |
| 120 - Identify and pack for shipping as per PPP 6F9540V00231                                    |       |        |           |                        |                     |
| 125 - Photocopy blue file per PPP D169-841-015 chg002 and create labels per 6F9540V00231 CHG002 |       |        |           |                        |                     |
| 130 - QC21- Final Inspection - Work Order Release                                               |       |        |           |                        |                     |

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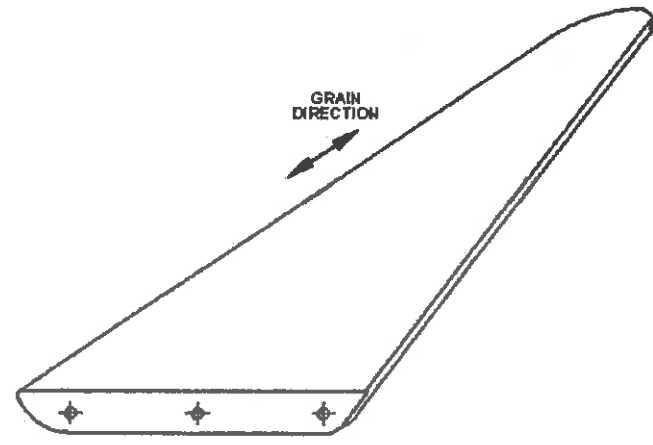
| Job BOM                            |                    |              |                            |           |
|------------------------------------|--------------------|--------------|----------------------------|-----------|
| Part / Item                        | Component Name     | Quantity     | Operation                  | Container |
| D169-841-015                       | AW169 Lower Cutter | 1 pcs (1 ea) | 100-Packaging 1 - Pick Kit | 5141105   |
| Job Allocations                    |                    |              |                            |           |
| Operation                          | Component Part     | Required     | Inventory                  | Allocated |
| 100-Packaging 1 - Pick Kit         | D169-841-015       | 1            | 1                          | 0         |
| Part Specifications                |                    |              |                            |           |
| Specifications could not be found. |                    |              |                            |           |

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|                                                                                                                                                         |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------|----------------------------------------|--------------------------|
|                                                                        |                                         | <b>Supplier Concession</b>                                          |                                                                                                                                                                                                                                                                                                                                                                               | <b>PAGE</b><br>1 of 2 | <b>PLANT</b><br>Vergiate        |                                        |                          |
| <b>Supplier NC N</b>                                                                                                                                    | AWC-019/00                              | <b>Date</b>                                                         | 14.05.2019                                                                                                                                                                                                                                                                                                                                                                    | <b>AW Concession</b>  | 400000082381                    |                                        |                          |
| <b>P/N</b>                                                                                                                                              | 6F9540V00231                            | <b>Grade/Category</b>                                               | NC                                                                                                                                                                                                                                                                                                                                                                            | <b>Purchase Order</b> | 4801885188                      |                                        |                          |
| <b>Part Description</b>                                                                                                                                 | PROTECTR, CCP ASSY LOWER                |                                                                     | <b>Batch Quantity</b>                                                                                                                                                                                                                                                                                                                                                         | 1,000                 | <b>Defective Quantity</b> 1,000 |                                        |                          |
| <b>AW NC</b>                                                                                                                                            | MARCO FRANCESCONI                       |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               | <b>A/C Type/Model</b> | AW6                             |                                        |                          |
| <b>Supplier</b>                                                                                                                                         | DART AEROSPACE LTD                      |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               | <b>Contract</b>       |                                 |                                        |                          |
| <b>Defect MA01 - Items or materials different from requir - S/N S171709</b>                                                                             |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>Cause of Defect</b>                                                                                                                                  |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>Repetitiveness (same P/N - Defect Code)</b> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (7)                                  |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>ENGINEERING Evaluation and Proposal</b>                                                                                                              |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>Engineering Evaluations, including Specialist inputs:</b>                                                                                            |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| * 30.05.2019 17:11:44 MARCELLO STEFANELLI (9273)                                                                                                        |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| * The evaluation reported in the annex concession of the supplier are acceptable and applicable. The part can be installed with the repair instruction. |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>Classification of Deviation from Type Design I.a.w. EASA Part 21A.91 : Minore/B</b>                                                                  |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>Defect effect</b>                                                                                                                                    |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       | <b>Limitations</b>              |                                        |                          |
|                                                                                                                                                         | <b>Before Repair</b>                    | <b>After Repair</b>                                                 |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| Safety                                                                                                                                                  | <input type="checkbox"/> YES            | <input type="checkbox"/> YES <input type="checkbox"/> NO            | <input type="checkbox"/> YES (to specify) <input checked="" type="checkbox"/> NO                                                                                                                                                                                                                                                                                              |                       |                                 |                                        |                          |
| Life or Duration                                                                                                                                        | <input type="checkbox"/> YES            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| Strenght                                                                                                                                                | <input type="checkbox"/> YES            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| Performances                                                                                                                                            | <input type="checkbox"/> YES            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| Interchangeability                                                                                                                                      | <input type="checkbox"/> YES            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| Reliability                                                                                                                                             | <input type="checkbox"/> YES            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| Maintainability                                                                                                                                         | <input type="checkbox"/> YES            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| Installability                                                                                                                                          | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| Testability                                                                                                                                             | <input type="checkbox"/> YES            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| Only Appearance                                                                                                                                         | <input type="checkbox"/> YES            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| No Effect                                                                                                                                               | <input type="checkbox"/> YES            | <input type="checkbox"/> YES <input type="checkbox"/> NO            |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>Repair Proposal:</b>                                                                                                                                 |                                         |                                                                     | <b>Decision</b>                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| * 30.05.2019 17:11:44 MARCELLO STEFANELLI (9273)<br>* See the proposal reported in the attached document of the supplier.                               |                                         |                                                                     | <input type="checkbox"/> Use rep. with spec.repair(not yet applied)<br><input checked="" type="checkbox"/> Use repaired with known repair(yet applied)<br><input type="checkbox"/> Use As Is<br><input type="checkbox"/> Use repaired for tests only(see Limitations)<br><input type="checkbox"/> Use As Is for tests only(see Limitations)<br><input type="checkbox"/> Scrap |                       |                                 |                                        |                          |
| <b>Concession Classification</b>                                                                                                                        |                                         |                                                                     | <b>Re-submit after Repair</b>                                                                                                                                                                                                                                                                                                                                                 |                       |                                 |                                        |                          |
| <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR                                                                                |                                         |                                                                     | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                                                                                                                                                                                                                                                                                           |                       |                                 |                                        |                          |
| <b>Mark part with Concession</b>                                                                                                                        |                                         |                                                                     | <b>Method :</b>                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES                                                                                     |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>ATE</b>                                                                                                                                              | MARCELLO STEFANELLI                     | <b>CPE</b>                                                          |                                                                                                                                                                                                                                                                                                                                                                               | <b>Date</b>           | 30.05.2019                      |                                        |                          |
| <b>Checks and tests to be performed</b>                                                                                                                 |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>Repair registration</b> with repair WO <input checked="" type="checkbox"/> <b>Number:</b>                                                            |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>Repair Evaluation:</b>                                                                                                                               |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>Final Decision</b>                                                                                                                                   |                                         |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>S/N</b>                                                                                                                                              | <b>Use As Is (UTI)</b>                  | <b>Use Repaired (RIL)</b>                                           | <b>Scrap (SCA)</b>                                                                                                                                                                                                                                                                                                                                                            | <b>S/N</b>            | <b>Use As Is (UTI)</b>          | <b>Use Repaired (RIL)</b>              | <b>Scrap (SCA)</b>       |
| S171709                                                                                                                                                 | <input type="checkbox"/>                | <input checked="" type="checkbox"/>                                 | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                      |                       | <input type="checkbox"/>        | <input type="checkbox"/>               | <input type="checkbox"/> |
|                                                                                                                                                         | <input type="checkbox"/>                | <input type="checkbox"/>                                            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                      |                       | <input type="checkbox"/>        | <input type="checkbox"/>               | <input type="checkbox"/> |
|                                                                                                                                                         | <input type="checkbox"/>                | <input type="checkbox"/>                                            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                      |                       | <input type="checkbox"/>        | <input type="checkbox"/>               | <input type="checkbox"/> |
|                                                                                                                                                         | <input type="checkbox"/>                | <input type="checkbox"/>                                            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                      |                       | <input type="checkbox"/>        | <input type="checkbox"/>               | <input type="checkbox"/> |
|                                                                                                                                                         | <input type="checkbox"/>                | <input type="checkbox"/>                                            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                      |                       | <input type="checkbox"/>        | <input type="checkbox"/>               | <input type="checkbox"/> |
|                                                                                                                                                         | <input type="checkbox"/>                | <input type="checkbox"/>                                            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                      |                       | <input type="checkbox"/>        | <input type="checkbox"/>               | <input type="checkbox"/> |
|                                                                                                                                                         | <input type="checkbox"/>                | <input type="checkbox"/>                                            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                      |                       | <input type="checkbox"/>        | <input type="checkbox"/>               | <input type="checkbox"/> |
|                                                                                                                                                         | <input type="checkbox"/>                | <input type="checkbox"/>                                            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                      |                       | <input type="checkbox"/>        | <input type="checkbox"/>               | <input type="checkbox"/> |
|                                                                                                                                                         | <input type="checkbox"/>                | <input type="checkbox"/>                                            | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                      |                       | <input type="checkbox"/>        | <input type="checkbox"/>               | <input type="checkbox"/> |
| <b>Not Serialized</b>                                                                                                                                   | <b>Use As Is (Q.ty)</b>                 | <b>Use Repaired (Q.ty)</b>                                          | 1,000                                                                                                                                                                                                                                                                                                                                                                         | <b>Scrap (Q.ty)</b>   |                                 |                                        |                          |
| <b>Role</b>                                                                                                                                             | <b>AW ATE</b>                           | <b>AW CPE</b>                                                       | <b>Inspection Clearance Repair</b>                                                                                                                                                                                                                                                                                                                                            | <b>Quality</b>        | <b>Customer</b>                 | <b>MoD or Authority Representative</b> |                          |
| <b>Signature</b>                                                                                                                                        | MARCELLO STEFANELLI                     |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |
| <b>Date</b>                                                                                                                                             | 30.05.2019                              |                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |                       |                                 |                                        |                          |

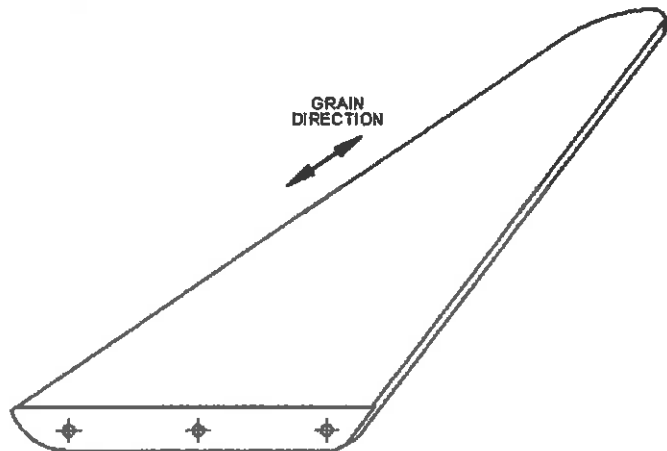
|                                                                                   |            |                            |            |           |                       |                                     |
|-----------------------------------------------------------------------------------|------------|----------------------------|------------|-----------|-----------------------|-------------------------------------|
|  |            | <b>Supplier Concession</b> |            |           | <b>PAGE</b><br>2 of 2 | <b>PLANT</b><br>Vergiate            |
| <b>Supplier NC N.</b>                                                             | AWC-019/00 | <b>Date</b>                | 14.05.2019 | <b>AW</b> | 400000082381          | <b>Purchase Order</b><br>4801885188 |
| <b>DEFECT CAUSES</b>                                                              |            |                            |            |           |                       |                                     |
| * C41 Material did not comply with specificati                                    |            |                            |            |           |                       |                                     |
|                                                                                   |            |                            |            |           |                       |                                     |

|                                                                                                                                                                                                                                                                                                                                                                    |                               |                    |              |                   |                                 |                                                                                                    |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------|--------------|-------------------|---------------------------------|----------------------------------------------------------------------------------------------------|--------------|
| LEONARDO<br>HELICOPTERS                                                                                                                                                                                                                                                                                                                                            |                               | CONCESSION         |              |                   |                                 | Pag.<br>1 of 2                                                                                     |              |
| Manuf. Doc. N.                                                                                                                                                                                                                                                                                                                                                     | AWC-019                       | Date               | May 10, 2019 | AW Doc. N.        |                                 | Purchase Order                                                                                     | 4801885188   |
| AW P/N                                                                                                                                                                                                                                                                                                                                                             | 6F9540Y00231                  | S/N / Batch Number | SI71709      | Grade             | A                               | AW Drawing Issue                                                                                   | B            |
| Description                                                                                                                                                                                                                                                                                                                                                        | Protector, CCP Lower Assembly |                    |              | Batch Q.ty        | 1                               | Defective Q.ty                                                                                     |              |
| Manufacturer                                                                                                                                                                                                                                                                                                                                                       | Dart Aerospace LTD            |                    |              | Model             | AW169                           |                                                                                                    |              |
| Defect(s) Description                                                                                                                                                                                                                                                                                                                                              |                               |                    |              |                   |                                 |                                                                                                    |              |
| <p>1. Leonardo has informed Dart that there are interference issues installing the lower cable cutter D4842-041 onto the Leonardo interface bracket</p> <p>2. The grain direction on the D4842-1 (D4842-041 Lower Cutter Deflector ), Deflector was deviated from the approved Data. The proposed change to the drawing is attached in engineering evaluation.</p> |                               |                    |              |                   |                                 |                                                                                                    |              |
|                                                                                                                                                                                                                                                                                                                                                                    |                               |                    |              | Department        | Inspector                       | Signature                                                                                          | Date         |
|                                                                                                                                                                                                                                                                                                                                                                    |                               |                    |              | Quality Assurance | DAS<br>9<br>9-89<br>DAS-16-9-89 | <br>Pat Duval   | May 10, 2019 |
| Defect(s) Cause                                                                                                                                                                                                                                                                                                                                                    |                               |                    |              |                   |                                 |                                                                                                    |              |
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|                                                                                                                                                                                                                                                                                                                                                                    |                               |                    |              | Quality Assurance | DAS<br>9<br>9-89<br>DAS-16-9-89 | <br>Pat Duval | May 10, 2019 |
| Corrective Action                                                                                                                                                                                                                                                                                                                                                  |                               |                    |              |                   |                                 | Complete Before                                                                                    |              |
| <p>1. In order to mitigate the interference issue for Leonardo, Dart is proposing removing 0.010" (0.254 mm) from each face of the lower cutter body for a total gain of 0.020" (0.508 mm).</p> <p>2. Dart Aerospace HBY requesting drawing update to allow for grain direction change on D4842-1</p>                                                              |                               |                    |              |                   |                                 |                                                                                                    |              |
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| For "MANUFACTURER" SUPPLIERS ONLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                          |  |                                                          |  |
| ENGINEERING evaluation and proposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                          |  |                                                          |  |
| Engineering evaluation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Investigation report<br>Compliance report                                |  | n: NCR18-6764<br>n...N/A.....                            |  |
| <p>1. Dart's position is that this change will not impact the structural substantiation presented in Report DA169-4 for the lower cutter body since this is not a section with the lowest margin. Therefore removing 0.010" from each part will not impact the structural integrity of the lower cutter assembly. With the tolerance stack-up the lower cutter body would measure 0.84" (21.34 mm) to 0.88" (22.35 mm) which provides an additional 0.002" for variance of the sealant.</p> <p>2. Grain direction was rotated 56° to align with the leading edge of the deflector. This orientation allows for a smaller raw material blank size and significantly reduce material scrap. The grain direction is still effectively perpendicular to the bending plane from cable loads. The effect on strength is insignificant.</p>  |  |                                                                          |  |                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Defect effects                                                           |  | Limitations                                              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Before any repair                                                        |  | After any repair                                         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <input type="checkbox"/> yes                                             |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |
| Safety                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | <input type="checkbox"/> yes                                             |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |
| Life                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | <input type="checkbox"/> yes                                             |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |
| Strength                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | <input type="checkbox"/> yes                                             |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |
| Performances                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | <input type="checkbox"/> yes                                             |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |
| Interchangeability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | <input type="checkbox"/> yes                                             |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |
| Reliability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <input type="checkbox"/> yes                                             |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |
| Maintainability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <input type="checkbox"/> yes                                             |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |
| Installability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | <input type="checkbox"/> yes                                             |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |
| Testability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <input type="checkbox"/> yes                                             |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |
| Only aspect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <input type="checkbox"/> yes                                             |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |
| Repair Proposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Decision to use                                                          |  |                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <input type="checkbox"/> Use repaired with specific repair               |  |                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <input type="checkbox"/> Use repaired with known repair                  |  |                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <input type="checkbox"/> Use as is                                       |  |                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <input type="checkbox"/> Use repaired for tests (see Limitations)        |  |                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <input type="checkbox"/> Use as is for tests (see Limitations)           |  |                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <input type="checkbox"/> Scrap                                           |  |                                                          |  |
| Concession Classification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | <input checked="" type="checkbox"/> Major <input type="checkbox"/> Minor |  | Submit after repair                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                          |  | <input type="checkbox"/> yes <input type="checkbox"/> no |  |

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| Manuf. Doc. N.                                                                                                                                                                                                                                                                                                                                                    | AWC-019                       | Date               | May 10, 2019 | AW Doc. N.        |                                 | Purchase Order   | 4801885188   |
| AW P/N                                                                                                                                                                                                                                                                                                                                                            | 6F9540V00231                  | S/N / Batch Number | S171709      | Grade             | A                               | AW Drawing Issue | B            |
| Description                                                                                                                                                                                                                                                                                                                                                       | Protector, CCP Lower Assembly |                    |              | Batch Q.ty        | 1                               | Defective Q.ty   |              |
| Manufacturer                                                                                                                                                                                                                                                                                                                                                      | Dart Aerospace LTD            |                    |              | Model             | AW169                           |                  |              |
| Defect(s) Description                                                                                                                                                                                                                                                                                                                                             |                               |                    |              |                   |                                 |                  |              |
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| For "MANUFACTURER" SUPPLIERS ONLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                          |                                                                                                                                                                                                                                                                                                                                                         |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
| ENGINEERING evaluation and proposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                          |                                                                                                                                                                                                                                                                                                                                                         |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
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| <table><tr><th>Defect effects</th><th colspan="2">Limitations</th></tr><tr><td></td><td>Before any repair</td><td>After any repair</td></tr><tr><td></td><td><input type="checkbox"/> yes</td><td><input type="checkbox"/> yes <input type="checkbox"/> no</td></tr><tr><td>Safety</td><td><input type="checkbox"/> yes</td><td><input type="checkbox"/> yes <input type="checkbox"/> no</td></tr><tr><td>Life</td><td><input type="checkbox"/> yes</td><td><input type="checkbox"/> yes <input type="checkbox"/> no</td></tr><tr><td>Strength</td><td><input type="checkbox"/> yes</td><td><input type="checkbox"/> yes <input type="checkbox"/> no</td></tr><tr><td>Performances</td><td><input type="checkbox"/> yes</td><td><input type="checkbox"/> yes <input type="checkbox"/> no</td></tr><tr><td>Interchangeability</td><td><input type="checkbox"/> yes</td><td><input type="checkbox"/> yes <input type="checkbox"/> no</td></tr><tr><td>Reliability</td><td><input type="checkbox"/> yes</td><td><input type="checkbox"/> yes <input type="checkbox"/> no</td></tr><tr><td>Maintainability</td><td><input type="checkbox"/> yes</td><td><input type="checkbox"/> yes <input type="checkbox"/> no</td></tr><tr><td>Installability</td><td><input type="checkbox"/> yes</td><td><input type="checkbox"/> yes <input type="checkbox"/> no</td></tr><tr><td>Testability</td><td><input type="checkbox"/> yes</td><td><input type="checkbox"/> yes <input type="checkbox"/> no</td></tr><tr><td>Only aspect</td><td><input type="checkbox"/> yes</td><td><input type="checkbox"/> yes <input type="checkbox"/> no</td></tr></table> |                                                                          |                                                                                                                                                                                                                                                                                                                                                         | Defect effects | Limitations |  |  | Before any repair | After any repair |  | <input type="checkbox"/> yes | <input type="checkbox"/> yes <input type="checkbox"/> no | Safety | <input type="checkbox"/> yes | <input type="checkbox"/> yes <input type="checkbox"/> no | Life | <input type="checkbox"/> yes | <input type="checkbox"/> yes <input type="checkbox"/> no | Strength | <input type="checkbox"/> yes | <input type="checkbox"/> yes <input type="checkbox"/> no | Performances | <input type="checkbox"/> yes | <input type="checkbox"/> yes <input type="checkbox"/> no | Interchangeability | <input type="checkbox"/> yes | <input type="checkbox"/> yes <input type="checkbox"/> no | Reliability | <input type="checkbox"/> yes | <input type="checkbox"/> yes <input type="checkbox"/> no | Maintainability | <input type="checkbox"/> yes | <input type="checkbox"/> yes <input type="checkbox"/> no | Installability | <input type="checkbox"/> yes | <input type="checkbox"/> yes <input type="checkbox"/> no | Testability | <input type="checkbox"/> yes | <input type="checkbox"/> yes <input type="checkbox"/> no | Only aspect | <input type="checkbox"/> yes | <input type="checkbox"/> yes <input type="checkbox"/> no |
| Defect effects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Limitations                                                              |                                                                                                                                                                                                                                                                                                                                                         |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
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| Safety                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> yes                                             | <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                                                                                                |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
| Life                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> yes                                             | <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                                                                                                |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
| Strength                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> yes                                             | <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                                                                                                |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
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| Interchangeability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> yes                                             | <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                                                                                                |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
| Reliability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> yes                                             | <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                                                                                                |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
| Maintainability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> yes                                             | <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                                                                                                |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
| Installability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> yes                                             | <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                                                                                                |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
| Testability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> yes                                             | <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                                                                                                |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
| Only aspect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> yes                                             | <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                                                                                                |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
| Repair Proposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                          | Decision to use<br><input type="checkbox"/> Use repaired with specific repair<br><input type="checkbox"/> Use repaired with known repair<br><input type="checkbox"/> Use as is<br><input type="checkbox"/> Use repaired for tests (see Limitations)<br><input type="checkbox"/> Use as is for tests (see Limitations)<br><input type="checkbox"/> Scrap |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |
| Concession Classification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input checked="" type="checkbox"/> Major <input type="checkbox"/> Minor | Submit after repair <input type="checkbox"/> yes <input type="checkbox"/> no                                                                                                                                                                                                                                                                            |                |             |  |  |                   |                  |  |                              |                                                          |        |                              |                                                          |      |                              |                                                          |          |                              |                                                          |              |                              |                                                          |                    |                              |                                                          |             |                              |                                                          |                 |                              |                                                          |                |                              |                                                          |             |                              |                                                          |             |                              |                                                          |



Dart Hawkesbury  
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S171709

Container Trace

S171709 Container Trace - Upstream

| Output Container No | Depleted Serial No | Status    | Part No/Material       | Operation Code     | Op No | Depleted Date       | Depleted Qty | Unit | Location              | Serial No/Batch | Job No  | Workcenter Code       | Manufacturer Part No | Manufacturer Code |
|---------------------|--------------------|-----------|------------------------|--------------------|-------|---------------------|--------------|------|-----------------------|-----------------|---------|-----------------------|----------------------|-------------------|
| S022980             | S017359            | Allocated | M707516S0.375X5.000    | Receive Ft         | 100   | 12/15/2017 10:31 AM | 6.5000       | ft   | Start Up Machining-1  | S017359         |         |                       |                      |                   |
| S022982             | S022980            | Stock     | M707516S0.375X5.000    | Start up Operation | 90    | 12/15/2017 10:32 AM | 6.5000       | ft   | Start Up Machining-3  | S017359         | 169630  | Start Up Machining-3  |                      |                   |
| S050301             | S044515            | Allocated | MSTEEL-A2-B0.500X1.250 | Receive Ft         | 100   | 3/12/2018 1:45 PM   | 48.0000      | ft   | Start Up Machining-1  | S044515         |         |                       |                      |                   |
| S050304             | S050301            | Stock     | MSTEEL-A2-B0.500X1.250 | Start up Operation | 90    | 3/12/2018 1:46 PM   | 38.6000      | ft   | MAT010                | S050301         | 171175  | Start Up Machining-1  |                      |                   |
| S063617             | F140906-0          | Allocated | D4842-3                | QC 21 - SA         | 190   | 4/21/2018 12:55 PM  | 2.0000       | pcs  | GRTN                  | 140906          |         |                       |                      |                   |
| S063618             | S063617            | Allocated | D4842-3                | Start up Operation | 90    | 4/21/2018 12:56 PM  | 2.0000       | pcs  | Start Up Machining-3  | 140906          | R176213 | Start Up Machining-3  |                      |                   |
| S063673             | FM138451           | Stock     | M707516S1.000X5.000    | Receive Ft         | 100   | 4/22/2018 11:24 AM  | 3.6250       | ft   | MAT004                | FM138451        |         |                       |                      |                   |
| S063675             | S063673            | Stock     | M707516S1.000X5.000    | Start up Operation | 90    | 4/22/2018 11:28 AM  | 3.6180       | ft   | MAT005                | FM138451        | 174545  | Start Up Machining-3  |                      |                   |
| S063854             | FM138451           | Stock     | M707516S1.000X5.000    | Receive Ft         | 100   | 4/22/2018 9:07 AM   | 3.6250       | ft   | MAT004                | FM138451        |         |                       |                      |                   |
| S063858             | S063854            | Stock     | M707516S1.000X5.000    | Start up Operation | 90    | 4/23/2018 9:10 AM   | 3.6180       | ft   | MAT005                | FM138451        | 174544  | Start Up Machining-3  |                      |                   |
| S073981             | S050304            | Allocated | QC 21 - SA             | QC 21 - SA         | 190   | 5/29/2018 5:03 PM   | 10.0000      | pcs  | Start Up Stores/Pkg-2 | S050304         | 171175  |                       |                      |                   |
| S073982             | S073981            | Allocated | QC 21 - SA             | Start up Operation | 90    | 5/29/2018 5:06 PM   | 10.0000      | pcs  | Start Up Stores/Pkg-1 | S050304         | 178073  | Start Up Stores/Pkg-1 |                      |                   |
| S090323             | S050304            | Allocated | QC 21 - SA             | QC 21 - SA         | 190   | 7/10/2018 8:52 AM   | 10.0000      | pcs  | Start Up Stores/Pkg-2 | S050304         | 171175  |                       |                      |                   |
| S090324             | S090323            | Allocated | QC 21 - SA             | Start up Operation | 90    | 7/10/2018 8:53 AM   | 10.0000      | pcs  | Start Up Stores/Pkg-1 | S050304         | 180397  | Start Up Stores/Pkg-1 |                      |                   |
| S097989             | FM138336-9         | Allocated | NAS1149FNB32P          | Receive Ea         | 100   | 7/31/2018 2:05 PM   | 72.0000      | Ea   | Start Up Stores/Pkg-2 | FM138336        |         |                       |                      |                   |
| S097990             | S044235            | Allocated | MS27039-08-19          | Receive Ea         | 100   | 7/31/2018 2:05 PM   | 36.0000      | Ea   | Start Up Stores/Pkg-2 | S0442354        |         |                       |                      |                   |
| S097991             | S044234            | Allocated | MS21042L08             | Receive Ea         | 100   | 7/31/2018 2:06 PM   | 36.0000      | Ea   | Start Up Stores/Pkg-2 | S044234         |         |                       |                      |                   |
| S097992             | S090324            | Allocated | D4839-1                | QC 21 - SA         | 130   | 7/31/2018 2:06 PM   | 8.0000       | pcs  | Packaging1-5          | S090324         | 180397  |                       |                      |                   |
| S097994             | S097991            | Allocated | MS21042L08             | Start up Operation | 90    | 7/31/2018 2:07 PM   | 36.0000      | Ea   | Start Up Stores/Pkg-1 | S044234         | 180394  | Start Up Stores/Pkg-1 |                      |                   |
| S097994             | S097990            | Allocated | MS27039-08-19          | Start up Operation | 90    | 7/31/2018 2:07 PM   | 36.0000      | Ea   | Start Up Stores/Pkg-1 | S0442354        | 180394  | Start Up Stores/Pkg-1 |                      |                   |
| S097994             | S097989            | Allocated | NAS1149FNB32P          | Start up Operation | 90    | 7/31/2018 2:07 PM   | 72.0000      | Ea   | Start Up Stores/Pkg-1 | FM138336        | 180394  | Start Up Stores/Pkg-1 |                      |                   |
| S097994             | S075982            | Allocated | D4839-1                | Start up Operation | 90    | 7/31/2018 2:07 PM   | 4.0000       | pcs  | Start Up Stores/Pkg-1 | S075982         | 180394  | Start Up Stores/Pkg-1 |                      |                   |
| S097994             | S097992            | Allocated | D4839-1                | Start up Operation | 90    | 7/31/2018 2:07 PM   | 8.0000       | pcs  | Start Up Stores/Pkg-1 | S090324         | 180394  | Start Up Stores/Pkg-1 |                      |                   |

| S171709 Container Trace - Upstream |                    |           |                  |                        |       |                    |              |      |                       |                 |        |                       |                      |                   |
|------------------------------------|--------------------|-----------|------------------|------------------------|-------|--------------------|--------------|------|-----------------------|-----------------|--------|-----------------------|----------------------|-------------------|
| Output Container No                | Depleted Serial No | Status    | Part No/Material | Operation Code         | Op No | Depleted Date      | Depleted Qty | Unit | Location              | Serial No/Batch | Job No | Workcenter Code       | Manufacturer Part No | Manufacturer Code |
| S097994                            | S022982            | Allocated | D4842-1          | Start up Operation     | 90    | 7/31/2018 2:07 PM  | 6.0000       | pcs  | Start Up Stores/Pkg-1 | S022982         | 180394 | Start Up Stores/Pkg-1 |                      |                   |
| S097994                            | S063618            | Allocated | D4842-3          | Start up Operation     | 90    | 7/31/2018 2:07 PM  | 2.0000       | pcs  | Start Up Stores/Pkg-1 | S063618         | 180394 | Start Up Stores/Pkg-1 |                      |                   |
| S097994                            | S063858            | Allocated | D4842-3          | Start up Operation     | 90    | 7/31/2018 2:07 PM  | 4.0000       | pcs  | Start Up Stores/Pkg-1 | S063858         | 180394 | Start Up Stores/Pkg-1 |                      |                   |
| S097994                            | S063675            | Allocated | D4842-4          | Start up Operation     | 90    | 7/31/2018 2:07 PM  | 6.0000       | pcs  | Start Up Stores/Pkg-1 | S063675         | 180394 | Start Up Stores/Pkg-1 |                      |                   |
| S100741                            | S097994            | Allocated | D4842-041        | Small Fab - 2 - BAB    | 120   | 8/9/2018 3:22 PM   | 4.0000       | pcs  | Packaging1-2          | S097994         | 180394 | Small Fab-7           |                      |                   |
| S141098                            | S136368            | Stock     | NAS1149FN832P    | Receive Ea             | 100   | 1/2/2019 9:24 AM   | 10.0000      | Ea   | FP001                 | S136368         |        |                       |                      |                   |
| S141100                            | S098209            | Stock     | MS27039-08-24    | Receive Ea             | 100   | 1/2/2019 9:27 AM   | 5.0000       | Ea   | ST277                 | S098209         |        |                       |                      |                   |
| S141101                            | S100409            | Allocated | MS21042L08       | Receive Ea             | 100   | 1/2/2019 9:28 AM   | 5.0000       | Ea   | Start Up Stores/Pkg-1 | s100409         |        |                       |                      |                   |
| S141105                            | S141101            | Allocated | MS21042L08       | Start up Operation     | 90    | 1/2/2019 9:55 AM   | 5.0000       | Ea   | Start Up Stores/Pkg-1 |                 | 187398 | Start Up Stores/Pkg-1 |                      |                   |
| S141105                            | S141100            | Allocated | MS27039-08-24    | Start up Operation     | 90    | 1/2/2019 9:55 AM   | 5.0000       | Ea   | Start Up Stores/Pkg-1 | S098209         | 187398 | Start Up Stores/Pkg-1 |                      |                   |
| S141105                            | S141098            | Allocated | NAS1149FN832P    | Start up Operation     | 90    | 1/2/2019 9:55 AM   | 10.0000      | Ea   | Start Up Stores/Pkg-1 | S136368         | 187398 | Start Up Stores/Pkg-1 |                      |                   |
| S141105                            | S100741            | Allocated | D4842-041        | Start up Operation     | 90    | 1/2/2019 9:55 AM   | 1.0000       | pcs  | Start Up Stores/Pkg-1 | S097994         | 187398 | Start Up Stores/Pkg-1 |                      |                   |
| S171709                            | S141105            | Allocated | D169-841-015     | Packaging 1 - Pick Kit | 100   | 4/11/2019 11:32 AM | 1.0000       | pcs  | Packaging 1 - 1       | S141105         | 192034 | Packaging 1 - 1       |                      |                   |

| S171709 Details |            |          |        |          |            |                    |               |        |          |
|-----------------|------------|----------|--------|----------|------------|--------------------|---------------|--------|----------|
| Part No         | Operation  | Material | Status | Quantity | Net Weight | Add Date           | Add By        | Job No | Location |
| 6F9640V00231    | QC 21 - FG |          | Stock  | 1.0000   | 0.0000     | 4/11/2019 11:32 AM | Justin Bryant | 192034 | GA026    |
|                 |            |          |        |          |            |                    |               |        | S171709  |

|                                                                                                                                                                                                                                                                                                                                                                                          |                               |                          |                               |                   |                                  |                                                                                                        |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------|-------------------------------|-------------------|----------------------------------|--------------------------------------------------------------------------------------------------------|--------------|
|                                                                                                                                                                                                                                                                                                          |                               | CONCESSION               |                               |                   |                                  | Pag.<br>1 of 2                                                                                         |              |
| Manuf Doc<br>N                                                                                                                                                                                                                                                                                                                                                                           | AWC-022                       | Date                     | Jul 25, 2019                  | AW Doc N          |                                  | Purchase<br>Order                                                                                      | 4801936828   |
| AW P/N                                                                                                                                                                                                                                                                                                                                                                                   | 6F9540V00231                  | S/N /<br>Batch<br>Number | S195595<br>S195550<br>S195594 | Grade             | A                                | AW Drawing<br>Issue                                                                                    | B            |
| Description                                                                                                                                                                                                                                                                                                                                                                              | Protector, CCP Lower Assembly |                          |                               | Batch Q ty        | 3                                | Defective Q ty                                                                                         | 3            |
| Manufacturer                                                                                                                                                                                                                                                                                                                                                                             | Dart Aerospace LTD            |                          |                               | Model             | AW169                            |                                                                                                        |              |
| Defect(s) Description                                                                                                                                                                                                                                                                                                                                                                    |                               |                          |                               |                   |                                  |                                                                                                        |              |
| <p>1. Leonardo has informed Dart that there are interference issues installing the lower cable cutter D4842-041 (D4842-3 and D4842-4 )onto the Leonardo interface bracket</p> <p>2. The grain direction on the D4842-1 (D4842-041 Lower Cutter Deflector ), Deflector was deviated from the approved Data. The proposed change to the drawing is attached in engineering evaluation.</p> |                               |                          |                               |                   |                                  |                                                                                                        |              |
|                                                                                                                                                                                                                                                                                                                                                                                          |                               |                          |                               | Department        | Inspector                        | Signature                                                                                              | Date         |
|                                                                                                                                                                                                                                                                                                                                                                                          |                               |                          |                               | Quality Assurance | DAS<br>55<br>9-89<br>DAS-55-9-89 | <br>Marcel Daviau   | Jul 25, 2019 |
| Defect(s) Cause                                                                                                                                                                                                                                                                                                                                                                          |                               |                          |                               |                   |                                  |                                                                                                        |              |
| <p>1. The Lower Cutter body has a dimension of 0.43 +0.01/-0.00. This dimension was reported as part of the approved FAI and has been met with all delivered product</p> <p>2. Dart Hawkesbury Design Engineer has modified the approved drawing to allow for manufacturing to minimize in material waste.</p>                                                                           |                               |                          |                               |                   |                                  |                                                                                                        |              |
|                                                                                                                                                                                                                                                                                                                                                                                          |                               |                          |                               | Department        | Inspector                        | Signature                                                                                              | Date         |
|                                                                                                                                                                                                                                                                                                                                                                                          |                               |                          |                               | Quality Assurance | DAS<br>55<br>9-89<br>DAS-55-9-89 | <br>Marcel Daviau | Jul 25, 2019 |
| Corrective Action                                                                                                                                                                                                                                                                                                                                                                        |                               |                          |                               |                   |                                  | Complete<br>Before                                                                                     |              |
| <p>1. In order to mitigate the interference issue for Leonardo, Dart is proposing removing 0.010" (0.254 mm) from each face of the lower cutter body for a total gain of 0.020" (0.508 mm).</p> <p>2. Dart Aerospace HBY requesting drawing update to allow for grain direction change on D4842-1</p>                                                                                    |                               |                          |                               |                   |                                  |                                                                                                        |              |
|                                                                                                                                                                                                                                                                                                                                                                                          |                               |                          |                               | Department        | Inspector                        | Signature                                                                                              | Date         |
|                                                                                                                                                                                                                                                                                                                                                                                          |                               |                          |                               | Quality Assurance | DAS<br>55<br>9-89<br>DAS-55-9-89 | <br>Marcel Daviau | Jul 25, 2019 |